

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10588016"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:09
S3	20	((FRIEDBERT) near2 (WECHS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:27
S4	20	((FRIEDBERT) near2 (WECHS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:27
S5	13	((FRIEDBERT) near2 (WECHS)).INV.	EPO; JPO; DERWENT	OR	ON	2008/07/14 12:27
S6	5	((ARNE) near2 (GEHLEN)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:27
S7	4	((ARNE) near2 (GEHLEN)). INV.	EPO; JPO; DERWENT	OR	ON	2008/07/14 12:27
S8	2	((BODO) near2 (HARTEN)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:27
S9	5	((BODO) near2 (HARTEN)). INV.	EPO; JPO; DERWENT	OR	ON	2008/07/14 12:27
S10	13	((KRUGER) near2 (RICHARD)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:27
S11	0	((KRUGER) near2 (RICHARD)). INV.	EPO; JPO; DERWENT	OR	ON	2008/07/14 12:27
S12	6	((SCHUSTER) near2 (OLIVER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:27
S13	18	((SCHUSTER) near2 (OLIVER)).INV.	EPO; JPO; DERWENT	OR	ON	2008/07/14 12:28
S14	2	"5505859".pn. "5683584".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:31
S15	1	"6497752".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 12:54
S16	3	"5290448".pn. "5505859".pn. "5683584".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:13
S17	117	diapes	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:19
S18	0	"membrana.asnm",	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:20
S19	14	membrana.asnm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:20
S20	0	membrana.asnm. AND polyelectro	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:23
S21	0	membrana.asnm. AND polyelectro	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:23
S22	30	"210"/ AND polyelectro	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:23
S23	5	"210"/ AND polyelectr	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:23

S24	3023	"210"/ AND polyelectr\$6	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:23
S25	141	"210"/ AND polyelectr\$6 AND (semi\$permeable OR semipermeable) NEAR membrane	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:24
S26	23	"210"/ AND polyelectr\$6 AND (semi\$permeable OR semipermeable) NEAR membrane AND \$3sulfone	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:24
S27	56	"210"/ AND polyelectr\$6 AND (semi\$permeable OR semipermeable) NEAR membrane AND \$4sulfone	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:24
S28	7	"210"/ AND polyelectr\$6 AND (semi\$permeable OR semipermeable) NEAR membrane AND \$4sulfone AND (hollow\$1fiber OR hollow \$1fibre OR hollowfiber OR hollowfibre)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:25
S29	1	"6605218".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:35
S30	4	("4051300"   "4906375"   "5436068"   "5762798").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:36
S31	52	("3615024"   "3691068"   "3763055"   "3948823"   "4051300"   "4100238"   "4286015"   "4351860"   "4432875"   "4545910").PN. OR ("4906375").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:51
S32	13	("3615024"   "3691068"   "3763055"   "3948823"   "4051300"   "4100238"   "4286015"   "4351860"   "4432875"   "4545910").PN. OR ("4906375").URPN. AND polyelectro\$6	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:51
S33	52	S31 aND polyelectro\$6	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:51
S34	4	S31 aND polyelectro\$6	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:51
S35	4	S31 AND polyelectro\$6	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:51

S36	50	(US-20080000828-\$ or US-20070163949-\$ or US-20070163950-\$ or US-20030070545-\$ or US-20050098494-\$ or US-20040237786-\$ or US-20050242021-\$ or US-20070157803-\$ or US-20070157812-\$ or US-20060144782-\$ or US-20010042716-\$ or US-20020038923-\$ or US-20030102309-\$ or US-20030110755-\$ or US-20060171626-\$ or US-20030109807-\$ or US-20040062910-\$ or US-20040009385-\$ or US-20030209002-\$ or US-20040149127-\$ or US-20020031652-\$ or US-20020065356-\$ or US-20030059591-\$ or US-20030160358-\$ or US-20030162647-\$ or US-20040062789-\$).did. or (US-20040157516-\$ or US-20040161996-\$ or US-20060075961-\$ or US-20070060986-\$).did. or (US-4906375-\$ or US-5578204-\$ or US-6521025-\$ or US-6616912-\$ or US-6660062-\$ or US-7166148-\$ or US-4965128-\$ or US-4798847-\$ or US-RE34296-\$ or US-4731074-\$ or US-4820293-\$ or US-4694832-\$ or US-5492838-\$ or US-5549829-\$ or US-5945002-\$ or US-6132613-\$ or US-6309550-\$ or US-6355092-\$ or US-6508056-\$ or US-6592759-\$).did.	US-PGPUB; USPAT	OR	ON	2008/07/14 13:54
S37	50	(US-20070163949-\$ or US-20070163950-\$ or US-20080000828-\$ or US-20070122904-\$ or US-20040237786-\$ or US-20050098494-\$ or US-20050242021-\$ or US-20060157404-\$ or US-20070157812-\$ or US-20070216057-\$ or US-20080058440-\$ or US-20060144782-\$ or US-20070080108-\$ or US-20070199891-\$ or US-20040182787-\$ or US-	US-PGPUB; USPAT	OR	ON	2008/07/14 13:54

		20050006302-\$).did. or (US-5403485-\$ or US-5387345-\$ or US-5849189-\$ or US-6013182-\$ or US-5919370-\$ or US-4980069-\$ or US-5549829-\$ or US-6309550-\$ or US-4071590-\$ or US-4464321-\$ or US-4798847-\$ or US-RE34296-\$ or US-5707584-\$ or US-7247238-\$ or US-4906375-\$ or US-5762798-\$ or US-5505890-\$ or US-4935141-\$ or US-4780205-\$ or US-4935140-\$ or US-6319404-\$ or US-7291269-\$ or US-4767539-\$ or US-4861486-\$ or US-4997676-\$ or US-4402701-\$).did. or (US-5454952-\$ or US-4778603-\$ or US-4935143-\$ or US-5230796-\$ or US-5763194-\$ or US-6193883-\$ or US-6261510-\$ or US-6370943-\$).did.				
S38	87	S36 OR S37	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:54
S39	87	S38	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:54
S40	3	S38 AND polyelectro\$6	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:54
S41	8	"sieving coefficient" SAME cytochrome	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 13:56
S42	8	"sieving coefficient" SAME "cytochrome c"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 14:08
S43	41	"4906375"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 14:12
S44	2965	"210"/ AND polyelectrolyte	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 14:26
S45	118	"210"/ AND polyelectrolyte AND "hollow fiber"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 14:26
S46	30	"210"/ AND polyelectrolyte AND "hollow fiber" AND albumin	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 14:26
S47	1	"10588696"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 15:51
S48	3	"interior filler" SAME (polyelectrolyte)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:01
S49	30	"210"/ AND polyelectrolyte AND (hollow WITH fiber) AND albumin	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:02
S50	136	"210"/ AND polyelectrolyte AND (hollow WITH fiber)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:02

S51	7	"210"/ AND polyelectrolyte.clm. AND (hollow WITH fiber).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:02
S52	0	"210"/ AND polyelectrolyte.clm. AND (hollow WITH fiber).clm. AND negative.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:05
S53	5	polyelectrolyte.clm. AND (hollow WITH fiber).clm. AND negative.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:06
S54	21	polyelectrolyte.clm. AND (hollow WITH fiber).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:06
S55	3	polyelectrolyte.clm. AND (hollow WITH fiber).clm. AND "polycarboxylic acid"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:07
S56	8	polyelectrolyte.clm. AND (hollow WITH fiber).clm. AND (\$4carboxylic NEAR acid)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:07
S57	16	polyelectrolyte.clm. AND (hollow WITH fiber).clm. AND (( \$4carboxylic NEAR acid) OR (acrylic NEAR acid))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:10
S58	1	"10588696"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/14 16:25
S59	1	"5539072".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 07:43
S60	9	"094727"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 10:46
S61	35	"094727"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 10:47
S62	8	"2855233"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 10:47
S63	167	(semi\$permeable NEAR membrane) SAME (polyelectrolyte OR polycarboxylic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 10:49
S64	167	(semi\$permeable NEAR membrane) SAME (polyelectrolyte OR polycarboxylic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 14:07
S65	167	((semi\$permeable NEAR membrane) OR (semipermeable NEAR membrane))SAME (polyelectrolyte OR polycarboxylic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 14:08

S66	167	((semi\$permeable NEAR membrane) OR (semipermeable NEAR membrane)) SAME (polyelectrolyte OR polycarboxylic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 14:08
S67	19	((semi\$permeable NEAR membrane) OR (semipermeable NEAR membrane)) SAME (polyelectrolyte OR polycarboxylic).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 14:08
S68	2	"4906375".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:31
S69	0	((semi\$permeable NEAR membrane) OR (semipermeable NEAR membrane)) SAME (polyelectrolyte OR polycarboxylic).clm. AND fresenius.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:35
S70	0	((semi\$permeable NEAR membrane) OR (semipermeable NEAR membrane)) SAME (polyelectrolyte OR polycarboxylic).clm. AND fresenius.asnm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:35
S71	0	((semi\$permeable NEAR membrane) OR (semipermeable NEAR membrane)) SAME (polyelectrolyte OR polycarboxylic) AND fresenius.asnm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:36
S72	366	fresenius.asnm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:36
S73	1	fresenius.asnm. AND (hollow NEAR fiber) AND (polyelectrolyte OR polycarboxylic OR "acrylic acid")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:37
S74	7	fresenius.asnm. AND (polyelectrolyte OR polycarboxylic OR "acrylic acid")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 15:38
S75	17	("5476715").URPN.	USPAT	OR	ON	2008/07/15 15:51
S76	15	("5476715").URPN. AND (polyelectrolyte OR polycarboxylic OR acrylic)	USPAT	OR	ON	2008/07/15 15:52

S77	2	"4906375".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/15 16:17
S78	1	"10588696"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/16 16:58
S79	1	"5476715".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 07:24
S80	0	"cytochrome c" SAME sieving SAME coefficient SAME "0.8"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 08:04
S81	12	"cytochrome c" SAME coefficient SAME "0.8"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 08:04
S82	13	"cytochrome" SAME coefficient SAME "0.8"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 08:12
S83	1	"10588696"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:05
S84	963	210/500.23.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:06
S85	577	210/500.27.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:06
S86	462	210/500.42.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:07
S87	26	S84 AND S85 AND S86	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:07
S88	1736	S84 S85 S86	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:07
S89	72	S88 AND polyelectrolyte	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/17 09:07
S90	4	"2855233"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/07/17 09:17
S91	8	"2855233"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/17 09:17
S92	11	(US-6497752-\$ or US- 4906375-\$ or US-3948823-\$ or US-4286015-\$ or US- 4351860-\$ or US-5683584-\$ or US-5919370-\$ or US- 4014798-\$ or US-4125462-\$ or US-5100673-\$ or US- 5476715-\$).did.	USPAT	OR	OFF	2009/01/27 11:17
S93	0	S92 AND "no additives"	USPAT	OR	OFF	2009/01/27 11:18
S94	1467	hydrophilic AND fiber AND thickness AND albumin	USPAT	OR	OFF	2009/01/27 11:18
S95	505	hydrophilic AND fiber AND thickness AND albumin AND pores	USPAT	OR	OFF	2009/01/27 11:19

S96	1236	hydrophilic AND fiber AND thickness AND albumin AND pores	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/27 11:19
S97	189	hydrophilic AND fiber AND thickness AND albumin AND pores AND cytochrome	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/27 11:19
S98	177	hydrophilic AND fiber AND thickness AND albumin AND pores AND cytochrome AND synthetic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/27 11:19
S99	32	hydrophilic AND fiber AND thickness AND albumin AND pores AND cytochrome AND synthetic AND polysulfon\$	USPAT	OR	OFF	2009/01/27 11:21
S100	18	("3855122"   "4207182"   "4976859"   "5028337").PN. OR ("5246582").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 11:35
S101	1	"10588696"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 12:12
S102	1	"10588695"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 14:08
S103	61	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid) and (hollow adj (fiber filament yarn) capillary)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 14:18
S104	0	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid) and (hollow adj (fiber filament yarn) capillary) AND cytochrome	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 14:18



S105	0	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polyelectrolyte polysulfonic ADJ acid) and (hollow adj (fiber filament yarn) capillary) AND cytochrome	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 14:19
S106	28	"305787"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 14:43
S107	59	"305787"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/27 14:44
S108	1	"6565782".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 15:04
S110	61	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid) and (hollow adj (fiber filament yarn) capillary)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 15:06
S111	0	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid) and (hollow adj (fiber filament yarn) capillary) AND cytochrome	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 15:06
S112	0	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polysulfonic adj acid polycarboxylic polyelectrolyte polyphosphoric) and (hollow adj (fiber filament yarn) capillary) AND cytochrome	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 15:07

S113	28	polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polysulfonic adj acid polycarboxylic polyelectrolyte polyphosphoric) and (hollow adj (fiber filament yarn) capillary) AND cytochrome	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/27 15:07
S114	1	"6565782".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 14:25
S115	1	"10588696"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 14:28
S116	49	"210"/\$.cls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid) and (hollow adj (fiber filament yarn capillary))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 11:39
S117	1	"5476715".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 11:43
S118	1	"6258276".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 11:49
S119	52	"210"/\$.cls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polyelectrolyte) and (hollow adj (fiber filament yarn capillary))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 11:59
S120	28	"210"/\$.cls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polyelectrolyte) AND (interior separating) and (hollow adj (fiber filament yarn capillary))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:01

S121	1	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polyelectrolyte) SAME (interior separating) and (hollow adj (fiber filament yarn capillary))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:01
S122	0	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polyelectrolyte polyphosphoric polysulfonic) ADJ (interior separating) and (hollow adj (fiber filament yarn capillary))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:04
S123	1	"210"/\$.ccls. and polysulfone and membrane and (polyvinylpyrrolidone PVP polyvinyl adj pyrrolidone) and (polyacrylic adj acid acrylicacid acrylic adj acid polyacrylicacid polyelectrolyte polyphosphoric polysulfonic) SAME (interior separating) and (hollow adj (fiber filament yarn capillary))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:05
S124	1	"6258276".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:10
S125	25	("3737045"   "3944485"   "4006069"   "4014798"   "4045352"   "4083768"   "4187333"   "4357220"   "4613440"   "4992176"   "5049275"   "5126503"   "5147549"   "5152898"   "5192445"   "5281337"   "5456839").PN. OR ("6258276").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:10
S126	54	"341473"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/23 12:27
S127	54	"341473"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/23 12:27

S128	2	"5013765".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/23 12:30
S129	1	"5013765".pn. AND precipitant	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/23 12:30
S130	1	precipitant SAME "polyelectrolyte" AND "hollow fiber"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/23 12:31
S131	47	("3567810"   "3615024"   "3639306"   "3691068"   "3709774"   "3709841"   "3762136"   "4051300").PN. OR ("4286015").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:55
S132	4	S131 AND precipitant	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:56
S133	7	"210"/\$.ccls. and hollow adj ( fiber filament yarn) and (polyelectrolyte polysulfonic polyphosphoric polycarboxylic) with (lumen precipit\$5 coagula\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:34
S134	152	"210"/\$.ccls. and hollow adj ( fiber filament yarn) and (polyelectrolyte polysulfonic polyphosphoric polycarboxylic)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:34
S135	333	menon.xa. menon.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:34
S136	73	(menon.xa. menon.xp.) AND "hollow fiber"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:35
S137	25	(menon.xa. menon.xp.) AND "hollow fiber" AND lumen	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:35
S138	3	(menon.xa. menon.xp.) AND "hollow fiber" AND "inner lumen"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:37
S139	57	(menon.xa. menon.xp.) AND "hollow fiber" AND (produce producing making)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:41
S140	80	(menon.xa. menon.xp.) AND (hollow ADJ (fiber fibre membrane))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:48
S141	26	(menon.xa. menon.xp.) AND (hollow ADJ (fiber fibre membrane)) AND lumen	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:48

S142	70	(menon.xa. menon.xp.) AND (hollow ADJ (fiber fibre membrane)) AND (producing produce make making)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:48
S143	62	(menon.xa. menon.xp.) AND (hollow ADJ (fiber fibre membrane)) AND (producing produce make making)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:48
S144	21	(menon.xa. menon.xp.) AND (hollow ADJ (fiber fibre membrane)) AND (producing produce make making) AND lumen	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:49
S145	1	"10475265"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 15:02
S146	2	"20040167237"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 15:03
S147	2	"20040222148"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 15:11
S148	6	"2002087735"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/23 15:23
S149	12	"1388364"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/23 15:23
S150	1	"10588016"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/23 15:43
S151	2	"7441666".pn. AND (polyelectrolyte acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/23 15:55
S152	1	"5972326".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/24 08:51
S153	1	"6548622".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/24 09:02
S154	1	"10588016"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/24 09:38
S155	26	(US-20050006302-\$ or US-20020148774-\$ or US-20040167237-\$).did. or (US-6497752-\$ or US-4906375-\$ or US-3948823-\$ or US-4286015-\$ or US-4351860-\$ or US-5683584-\$ or US-5919370-\$ or US-4014798-\$ or US-4125462-\$ or US-5100673-\$ or US-5476715-\$ or US-6565782-\$ or US-6258276-\$ or US-5049275-\$ or US-4083768-\$ or US-5534146-\$ or US-7347938-\$ or US-5013765-\$ or US-7247370-\$ or US-7229580-\$ or US-7056458-\$ or US-7441666-\$).did. or (DE-	US-PGPUB; USPAT; DERWENT	OR	OFF	2009/02/24 09:44

		3814760-\$.did.				
S156	1	S155 AND (inner interior) ADJ filler	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 09:44
S157	0	(menon.xa. menon.xp.) AND (inner interior) ADJ filler	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 09:44
S158	58	(menon.xa. menon.xp.) AND (inner interior) AND hollow ADJ (fiber fibre)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 09:45
S159	7	"0209857"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 09:51
S160	8	"1306121"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 09:51
S161	3	"7108787".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 10:17
S162	5	"0050160"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:03
S163	1	"10588696"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:09
S164	1	"10588695"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:09
S165	0	"hollow fiber" AND "separating layer" SAME inner ADJ lumen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:10
S166	0	"hollow fiber" AND separating ADJ layer SAME inner ADJ lumen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:10
S167	4	"hollow fiber" AND separating SAME (inner ADJ lumen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:10
S168	18	"hollow fiber" AND separating SAME ((inner ADJ lumen) OR (internal ADJ surface))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:12
S169	234	"hollow fiber" AND separating ADJ layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:14
S170	0	"hollow fiber" AND separating ADJ layer SAME PVP	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:14
S171	234	"hollow fiber" AND separating ADJ layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:14
S172	7049	"210"/\$.cls. AND blood AND "hollow fiber" AND separating ADJ layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:14

S173	9	"210"/\$.ccls. AND blood AND "hollow fiber" AND separating ADJ layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:14
S174	1	"210"/\$.ccls. AND blood AND "hollow fiber" AND (inner internal) SAME separating ADJ layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:16
S175	2	"6017474".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/24 11:36
S176	27	"hollow fiber" AND "polyacrylic acid" SAME ((homo co) ADJ polymer)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:03
S177	737	hou.in. AND (filter fiber)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:04
S178	310	hou.in. AND (filter fiber) AND membrane	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:04
S179	38	hou.in. AND (filter fiber) AND membrane AND acrylic	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:04
S180	1500917	hou.in. AND polyacrlc acid	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:06
S181	0	hou.in. AND polyacrylic ADJ acid	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:07
S182	30	hou.in. AND polyacrylic ADJ acid	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:07
S183	11	hou.in. AND polyacrylic ADJ acid AND filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:08
S184	1360	"hollow fiber" AND (polyelectrolyte polyacrylic)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:10
S185	867	"hollow fiber" AND (polyelectrolyte polyacrylic) AND coating	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:10
S186	59	"hollow fiber" SAME (polyelectrolyte polyacrylic) AND coating	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:10
S187	30	"hollow fiber" SAME (polyelectrolyte polyacrylic) AND coating AND (negative OR anionic)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:12
S188	703	nakabayashi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:33
S189	108	nakabayashi.in. AND filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:33
S190	11	nakabayashi.in. AND filter AND MPC	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 12:33
S191	11	nakabayashi.in. AND filter AND MPC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 12:35

S192	15	nakabayashi AND filter AND MPC	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 12:36
S193	762	nakabayashi AND filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 12:36
S194	26	nakabayashi AND hollow ADJ fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 12:36

2/ 25/ 2009 2:19:47 PM

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PVP PES and polyelectrolyte.wsp